

PATENT APPLICATION

Docket No.: N.C. 80,253

REMARKS

Claims 1-7 are pending in the application. No claims are currently allowed.

This amendment is submitted with a Request for Statutory Invention Registration. The Examiner's rejection under 35 U.S.C. § 103(a) is rendered moot by the request.

The Examiner rejected claim 1 under 35 U.S.C. § 112, second paragraph as indefinite for lack of antecedent basis for "the amplitude." Claim 1 is amended to recite that each frequency component of the set of frequencies has an amplitude to provide antecedent basis.

The Examiner rejected claim 2 as indefinite, asking if the reference signal is the same as the backscattered signal. Claim 2 is amended to change "fluid/coating interface" to "backscattered signal." This clarifies that the reference signal is a component of the backscattered signal.

The Examiner rejected claim 4 as indefinite for use of the term "operably associated with." Claim 4 is amended to cancel the word "operably."

The Examiner rejected claim 7 as indefinite for lack of antecedent basis for "the reference signal." Claim 7 is amended to change the claim dependency from claim 1 to claim 2, which contains the antecedent basis.

In view of the foregoing, it is submitted that the application is now in condition for allowance.

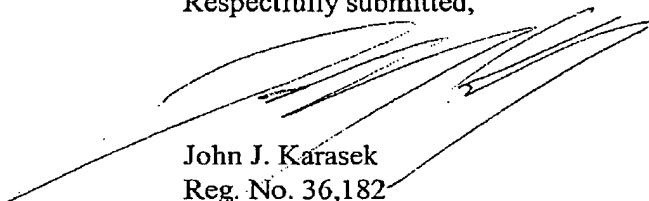
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Respectfully submitted,



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CERTIFICATION OF FACSIMILE TRANSMISSION

I certify that this paper is being facsimile transmitted to the Patent and Trademark Office
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